



ORC
Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **009/20**
Issued On **04/06/2020**
ORC Ref **0388000JRM**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 613kg
Maximum **640kg**
Minimum* **480kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	636.2	0.9431
Non Spin OSN	619.9	0.9679

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration
Symmetric: **Yes 92.19**
Asymmetric: **No**
Flying H/S: **Yes 83.25**
Spin. Pole: **Yes**

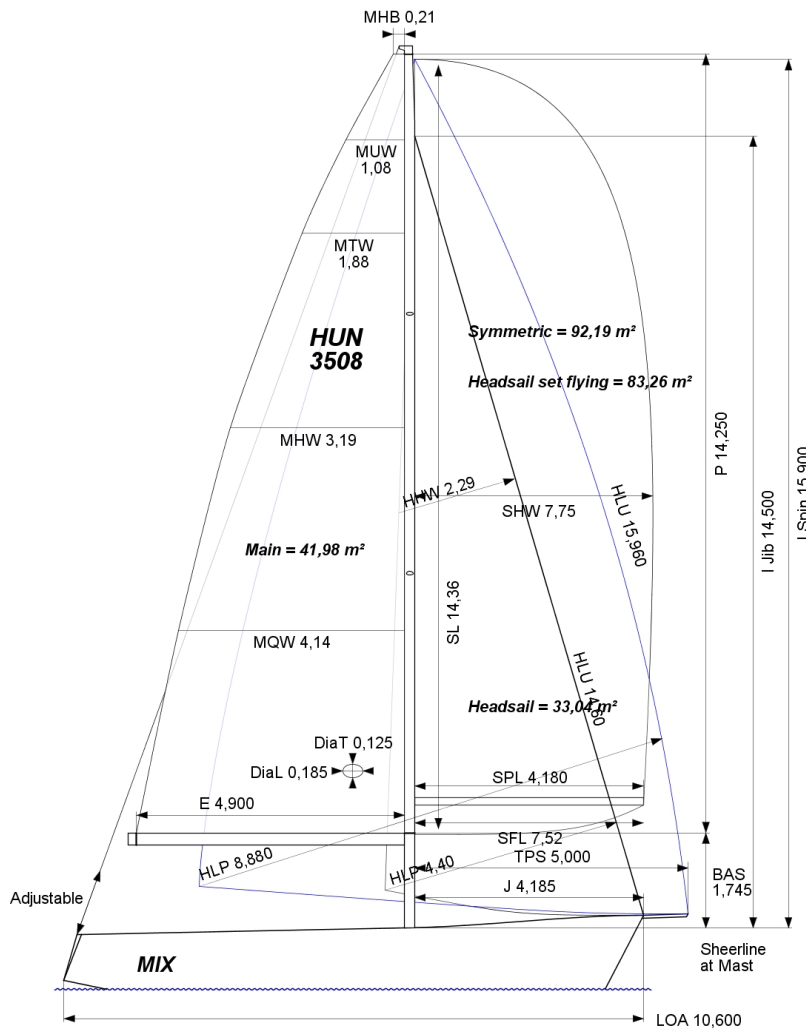
Class Division Length

CDL = 9.083

Stability (Estimated)

Limit Positive Stab.: **124.0°**
Stability Index: **124.8**

Owner



BOAT		GPH	HULL			
Name	MIX	598.1	Data File	HUN3508		
Sail Nr	HUN-3508		LOA	10.600m		
CLASS			Offset File	x35SD.off		
Class	X-35 OD		Displacement	4,526kg		
Designer	JEPPESEN		MB	3.250m		
Builder	X-YACHTS		Draft	1.863m		
Series	09/2005		IMS Division	Cruiser/Racer		
Age Date	09/2005		Dynamic All.	0.000%		
Age Allowance	0.487%		Plan Review	Construction		
COMMENTS			Fiber Rigging	No		
			Crew Arm Ex	Carbon Rudder		
			Light Stanchions	No		
			IMSL	9.445m		
			RL	8.739m		
			VCGD	-0.097m		
			WS	22.87m²		
			LSM0	9.217m		
			Displacement/Length ratio	5.7802		
			Water Ballast	0		
			Trim Tab	No		
			BLR Index	0.0000		
PROPELLER			CENTERBOARD			
Installation	Strut	PRD	0.420			
Type	Folding 2 blades	PBW	0.128			
		PIPA	0.0033			
SCORING OPTIONS		COASTAL / LONG DISTANCE		WINDWARD / LEEWARD		
Time on Distance	589.3			660.1		
Time on Time	1.0181			1.0226		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	664.6	537.0	485.2	873.7	661.4	586.0
Time on Time	1.0156	1.2569	1.3911	0.7726	1.0206	1.1518

2020

ORC Club Certificate Appendix

BOAT		Certificate Number 009/20	
Name	MIX	Issued On	04/06/2020
Sail Nr	HUN-3508		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	983.0	827.1	741.6	714.3	703.8	696.3	694.2
52°	624.2	548.8	514.4	502.3	497.3	495.1	488.7
60°	576.3	521.2	501.8	488.7	483.2	480.3	472.1
75°	537.0	497.8	482.3	472.8	461.2	454.8	449.7
90°	526.3	486.8	465.3	450.7	439.7	430.7	417.9
110°	548.6	497.1	469.9	444.6	421.9	403.1	380.0
120°	583.1	513.0	483.1	453.2	425.1	403.8	368.5
135°	686.1	559.6	503.3	473.3	444.5	416.8	358.6
150°	810.7	648.2	551.9	502.7	474.5	447.7	396.5
Run VMG	936.1	748.5	635.7	567.0	517.2	485.9	435.2
Selected Courses							
Windward / Leeward	959.5	787.8	688.6	640.7	610.5	591.1	564.7
Circular Random	801.9	657.5	581.9	538.7	511.9	493.5	467.7
Coastal / Long Distance	957.2	738.7	622.9	561.1	525.7	496.4	446.3
Non Spinnaker	876.8	707.5	617.0	564.9	533.0	511.9	484.5

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	45.8°	41.6°	40.1°	39.0°	39.0°	39.0°	39.8°
Beat VMG	3.66	4.35	4.85	5.04	5.12	5.17	5.19
52°	5.77	6.56	7.00	7.17	7.24	7.27	7.37
60°	6.25	6.91	7.17	7.37	7.45	7.50	7.63
75°	6.70	7.23	7.46	7.61	7.81	7.92	8.01
90°	6.84	7.40	7.74	7.99	8.19	8.36	8.61
110°	6.56	7.24	7.66	8.10	8.53	8.93	9.47
120°	6.17	7.02	7.45	7.94	8.47	8.92	9.77
135°	5.25	6.43	7.15	7.61	8.10	8.64	10.04
150°	4.44	5.55	6.52	7.16	7.59	8.04	9.08
Run VMG	3.85	4.81	5.66	6.35	6.96	7.41	8.27
Gybe Angles	144.5°	148.0°	152.0°	159.5°	180.0°	180.0°	180.0°